cDNA SEQUENCE OF BRCC2.

```
ATGATGTTGT GTTTGGAGAA AAGAGAGAAG AGAATTGAAT AAGTACATGA 50
CCCCTTGGAA GCTGTTTTCA GTTGAGGATT TTGGTGAGTA GCCACTTGAA 100
ATCAAGGGAA ATTCCATGAA TAGCAGGAGC TGGGAAGAAA GGAAGAGGAG 150
GAAGGATCCC ACCACTTTTT TCTTCCCATC TAACACCGTG CTTATGCAAA 200
GCATAGTCCA TATGAGATCT GCCTTATAAA AACTTGCTGA ATAAAGCGAA 250
TGGAAGTTAA ATTTTGGACT TTCTTCCATA ATAGCTTCAA ATTATGGTGA 300
CTTTGTTGCC TATAGAGGGC CAGGAAGTAC ATTTCTTTGA GATCCTAGAA 350
TCTGAGTGTG TGCTCTACAC AGGATGGATA GAGCGAGCCT CTGGCAGTTC 400
CATTTATCCA GAGGCAAAAG CACGCCTGCC ACTGGAGCCG CTCTTGGGTT 450
CCAACAAAGA ACCTATGTTG CCTAAGGAAA CAGTGCTTTC TCTTAAAAGG 500
TACAATCTTG GCTCCTCTGC CATGAAGCGG AATGTTCCTG GACATGTGCT 550
TCAGAGACCT TCCTATTTAA CCAGGATACA AGTTACATTG TTATGCAATT 600
CCTCTGCTGA GGCCCTGTAA AAGGAGTGAG TTAGGACAGA TGCAGCAAGA 650
TATTAGGACA GATTTCGCCC ATTATTCAGG CTGCACAACA CAGAAGGAAA 700
CTTGATTTCA ATAAGACCCA ATTCTTAACA GTCTTTTCTA CCCACTTTTA 750
CCCATAACTT TTCCAAATTT GGTTCAAATT GTGCAGAGAA ACAATAAAAT 800
TTTTAAAAAG GATAAACTGG CTAGTTAAAA GTAAATGGCA TTTAATTAAA 850
ACAAATCTTG CA
```



FIG. 1

cDNA AND PREDICTED AMINO ACID SEQUENCES OF BRCC2

```
294 ATG GTG ACT TTG TTG CCT ATA GAG GGC CAG GAA GTA CAT TTC TTT
    M   V   T   L   L   P   I   E   G   Q   E   V   H   F   F

339 GAG ATC CTA GAA TCT GAG TGT GTG CTC TAC ACA GGA TGG ATA GAG
    E   I   L   E   S   E   C   V   L   Y   T   G   W   I   E

384 CGA GCC TCT GGC AGT TCC ATT TAT CCA GAG GCA AAA GCA CGC CTG
    R   A   S   G   S   S   I   Y   P   E   A   K   A   R   L

429 CCA CTG GAG GCG CTC TTG GGT TCC AAC AAA GAA CCT ATG TTG CCT
    P   L   E   A   L   L   G   S   N   K   E   P   M   L   P

474 AAG GAA ACA GTG CTT TCT CTT AAA AGG TAC AAT CTT GGC TCC TCT
    K   E   T   V   L   S   L   K   R   Y   N   L   G   S   S

519 GCC ATG AAG CGG AAT GTT CCT GGA CAT GTG CTT CAG AGA CCT TCC
    A   M   K   R   N   V   P   G   H   V   L   Q   R   P   S

564 TAT TTA ACC AGG ATA CAA GTT ACA TTG TTA TGC AAT TCC TCT GCT
    Y   L   T   R   I   Q   V   T   L   L   C   N   S   S   A

609 GAG GCC CTG TAA
    E   A   L   *
```

FIG. 2

NORMAL TISSUE DISTRIBUTION OF BRCC2 GENE EXPRESSION

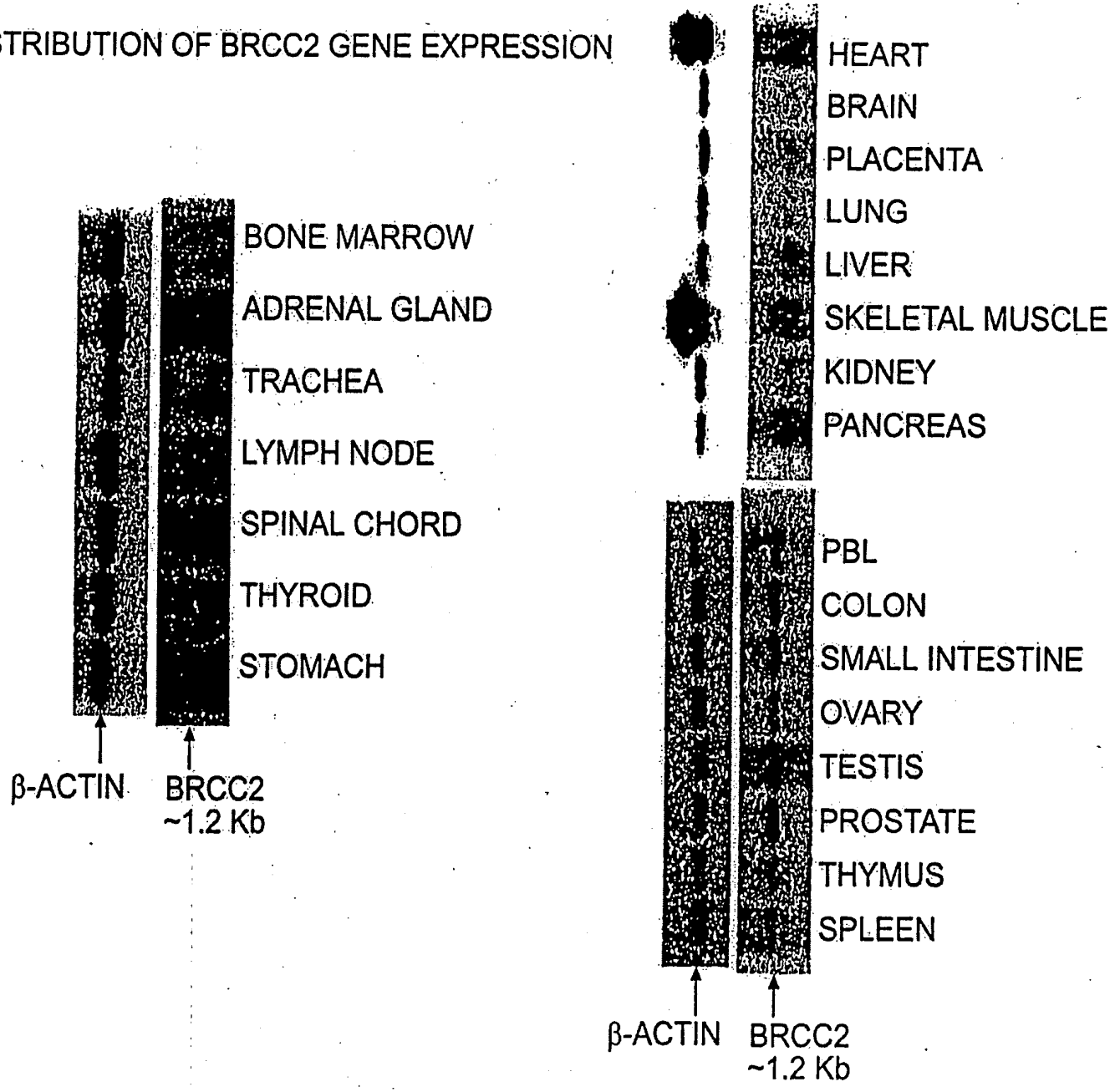


FIG. 3

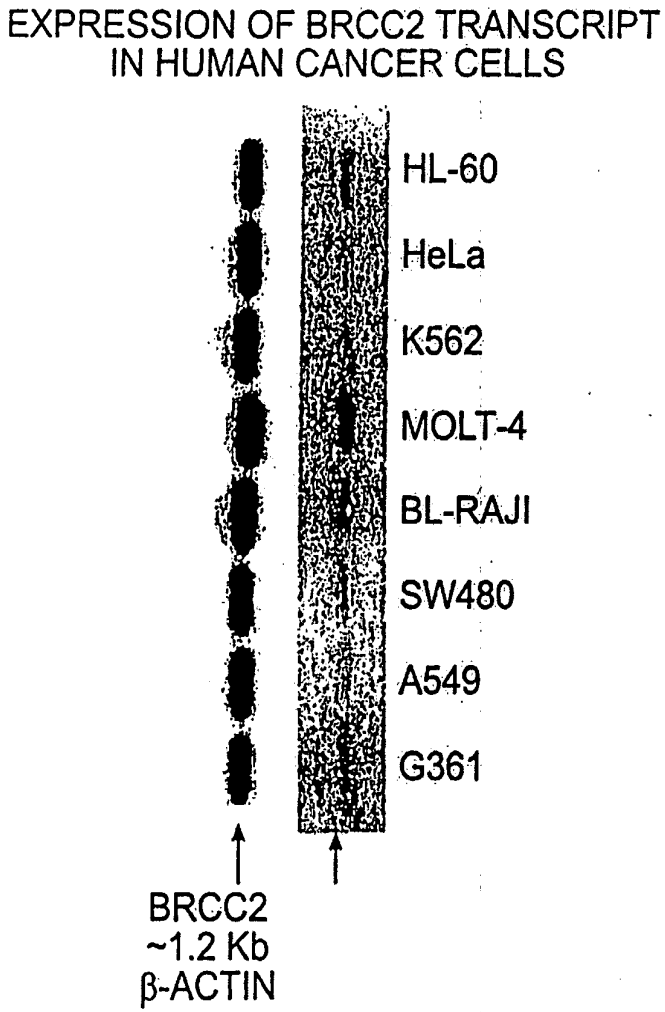
EXPRESSION OF BRCC2 TRANSCRIPT
IN HUMAN CANCER CELLS
HL-60
HeLa
K562
MOLT-4
BL-RAJI
SW480
A549
G361
BRCC2
~1.2 Kb
β-ACTIN

FIG. 4

BRCC2
BRCC2
(~1.0Kb)
GAPDH
C
L
AS

FIG. 5